

CLAIMS AMENDMENTS

What is claimed is:

1. (currently amended) A single resilient member iso-elastic vibration isolation member comprising:

- (a) an inner member for attachment to a suspended body, said inner member comprising a frustoconical seat having an angled surface and an outer periphery diameter D' ;
- (b) an outer member for attachment to a support structure, said outer member comprising a base and a shroud that extends away from the base, the shroud adapted to overlay the inner member, said shroud having an angled segment with an inner surface, said angled segment inner surface oriented substantially parallel to said angled surface of said frustoconical seat, said shroud defining an inner periphery diameter D'' , said inner periphery diameter D'' less than said outer periphery diameter D' ; and
- (c) consisting essentially of a single sole resilient member constrained between the shroud angled segment inner surface and the inner member frustoconical seat angled surface, said single resilient member having a substantially trapezoidal cross section, said single resilient member bonded to said shroud angled segment inner surface and said inner member frustoconical seat angled surface, wherein said single resilient member bonded to said shroud angled segment inner surface and said inner member frustoconical seat angled surface provides for iso-elastic displacement of said inner member in a radial direction and in an axial direction from said outer member with said frustoconical seat outer periphery diameter D' providing an interference with said shroud inner periphery diameter D'' to prevent a separation of the vibration isolation member in the event of a failure of said single resilient member, wherein said single sole resilient member is the sole resilient member providing for isolation between the suspended body and the support structure with said iso-elastic vibration isolation

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member providing a substantially equal dynamic stiffness in the radial direction and in the axial direction for an applied load between the suspended body and the support structure.

2. (Previously presented) The vibration isolation member of claim 1 wherein the inner member is comprised of a stem.
3. (CANCELED)
4. (CANCELED.)
5. (CANCELED)
6. (CANCELED)
7. (CANCELED)
8. (CANCELED)
9. (CANCELED)
10. (ORIGINAL) The vibration isolation member as claimed in claim 2, wherein the inner member further comprises an axially extending bore through the stem and seat.
11. (ORIGINAL) The vibration isolation member as claimed in claim 1 wherein the resilient member is comprised of either silicone or synthetic rubber.
12. (Currently amended) A combination comprising:
- (a) a support structure;

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(b) a suspended body located away from the support structure;
and

(c) a single resilient member iso-elastic vibration isolation member joining the support structure and the suspended body to reduce the transmission of vibratory disturbances between the suspended body and support structure, the vibration isolation member comprising;

(i) an inner member comprising a frustoconical seat having an angled surface and an outer periphery diameter D' ;

(ii) an outer member comprising a base and a shroud that extends away from the base, the shroud adapted to overlay the inner member, said shroud having an angled segment with an inner surface, said angled segment inner surface oriented substantially parallel to said angled surface of said frustoconical seat, said shroud defining an inner periphery diameter D'' , said inner periphery diameter D'' less than said outer periphery diameter D' ; and

(iii) consisting essentially of a single sole resilient member constrained between the shroud angled segment inner surface and the inner member frustoconical seat angled surface, said single resilient member having a substantially trapezoidal cross section, said single resilient member bonded to said shroud angled segment inner surface and said inner member frustoconical seat angled surface, wherein said single resilient member bonded to said shroud angled segment inner surface and said inner member frustoconical seat angled surface provides for iso-elastic displacement of said inner member in a radial direction and in an axial direction from said outer member with said frustoconical seat outer periphery diameter D' providing an interference with said shroud inner periphery diameter D'' to prevent a separation of the vibration isolation member in the event of a failure of said single resilient member wherein said single sole resilient member is the sole resilient member providing for isolation between the suspended body and the support structure with said iso-elastic vibration isolation member providing a substantially equal dynamic stiffness in

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the radial direction and in the axial direction for an applied load
between the suspended body and the support structure.

13. (ORIGINAL) The combination as claimed in claim 12 wherein the inner member includes a cylindrical stem.
14. (CANCELED)
15. (CANCELED)
16. (CANCELED)
17. (ORIGINAL) The combination as claimed in claim 12 wherein the outer member and the support structure comprise a chamber with the inner member seat being located in the chamber.
18. (ORIGINAL) The combination as claimed in claim 17 wherein the support structure and seat are separated by a distance.
19. (CANCELED)
20. (ORIGINAL) The vibration isolation member as claimed in claim 1 wherein the shroud is conical.
21. (ORIGINAL) The vibration isolation member as claimed in claim 1 wherein the shroud is comprised of a single wall.
22. (CANCELED)
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